

# Hayato Saigo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4411131/publications.pdf>

Version: 2024-02-01

20  
papers

130  
citations

1684188

5  
h-index

1372567

10  
g-index

20  
all docs

20  
docs citations

20  
times ranked

99  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enriched category as a model of qualia structure based on similarity judgements. <i>Consciousness and Cognition</i> , 2022, 101, 103319.	1.5	5
2	Category Algebras and States on Categories. <i>Symmetry</i> , 2021, 13, 1172.	2.2	3
3	Categorical Nonstandard Analysis. <i>Symmetry</i> , 2021, 13, 1573.	2.2	1
4	Quantum Fields as Category Algebras. <i>Symmetry</i> , 2021, 13, 1727.	2.2	2
5	Description of Dressed-Photon Dynamics and Extraction Process. <i>Symmetry</i> , 2021, 13, 1768.	2.2	0
6	A relational approach to consciousness: categories of level and contents of consciousness. <i>Neuroscience of Consciousness</i> , 2021, 2021, niab034.	2.6	12
7	A category theoretic approach to metaphor comprehension: Theory of indeterminate natural transformation. <i>BioSystems</i> , 2020, 197, 104213.	2.0	4
8	Generation of Schubert polynomial series via nanometre-scale photoisomerization in photochromic single crystal and double-probe optical near-field measurements. <i>Scientific Reports</i> , 2020, 10, 2710.	3.3	10
9	Analysis of Soft Robotics Based on the Concept of Category of Mobility. <i>Complexity</i> , 2019, 2019, 1-12.	1.6	8
10	Mathematics and the Brain: A Category Theoretical Approach to Go Beyond the Neural Correlates of Consciousness. <i>Entropy</i> , 2019, 21, 1234.	2.2	12
11	Why is the environment important for decision making? Local reservoir model for choice-based learning. <i>PLoS ONE</i> , 2018, 13, e0205161.	2.5	3
12	Category Theory Approach to Solution Searching Based on Photoexcitation Transfer Dynamics. <i>Philosophies</i> , 2017, 2, 16.	0.7	2
13	The arcsine law and an asymptotic behavior of orthogonal polynomials. <i>Annales De L'Institut Henri Poincare (D) Combinatorics, Physics and Their Interactions</i> , 2016, 3, 405-427.	1.1	2
14	Local State and Sector Theory in Local Quantum Physics. <i>Letters in Mathematical Physics</i> , 2016, 106, 741-763.	1.1	6
15	Using category theory to assess the relationship between consciousness and integrated information theory. <i>Neuroscience Research</i> , 2016, 107, 1-7.	1.9	45
16	Photon Localization Revisited. <i>Mathematics</i> , 2015, 3, 897-912.	2.2	5
17	Derivation of Born Rule from Algebraic and Statistical Axioms. <i>Open Systems and Information Dynamics</i> , 2014, 21, 1450005.	1.2	4
18	On operator-valued monotone independence. <i>Nagoya Mathematical Journal</i> , 2014, 215, 151-167.	0.8	0

#	ARTICLE	IF	CITATIONS
19	Who Has Seen a Free Photon?. Open Systems and Information Dynamics, 2012, 19, 1250008.	1.2	3
20	Quantum Walk and Dressed Photon. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 315, 93-99.	0.8	3